(19) World Intellectual Property Organization International Bureau





(10) International Publication Number

WO 2006/071012 A1

PC

(43) International Publication Date 6 July 2006 (06.07.2006)

(51) International Patent Classification: *G02F 1/1335* (2006.01)

(21) International Application Number:

PCT/KR2005/004369

(22) International Filing Date:

19 December 2005 (19.12.2005)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2004-0113972

28 December 2004 (28.12.2004) KR

- (71) Applicant (for all designated States except US): LG INNOTEK CO., LTD [KR/KR]; 14th F1. Hansol Bldg., 736-1, Yoksam-dong, Kangnam-gu, Seoul 135-983 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KIM, Sung, Ho [KR/KR]; 164-506ho, LG Art, Hwaseo-2dong, Paldal-gu, Suwon-shi, Kyounggi-do 442-150 (KR). HWANG, Hyun, Ha [KR/KR]; 303ho, Sumoktwinvill, 36-2, Samsung-dong, Gangnam-gu, Seoul 135-090 (KR).

(74) Agent: HAW, Yong, Noke; 8th Fl. Songchon Bldg., 642-15, Yoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

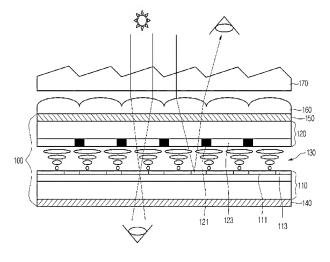
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LIQUID CRYSTAL DISPLAY DEVICE AND MOBILE STATION HAVING THE SAME



(57) Abstract: A liquid crystal display device includes a transflective liquid crystal panel, a front light unit for supplying a light for displaying an image, and a micro lens sheet for receiving the light incident from the front light unit, and condensing the incident light on the transflective liquid crystal panel. In addition, a mobile communication terminal includes a liquid crystal display device having a transflective liquid crystal panel, a front light unit for supplying a light to display an image, and a micro lens sheet for receiving the light incident from the front light unit, and condensing the incident light on the transflective liquid crystal panel, a communication unit for communicating with an exterior, and a control unit for controlling the communication unit and the liquid crystal display device.



